PRELIMINARY DATASHEET

AXIS M70 Video Encoder Series

Cost-effective video encoders with H.264.

- > High quality video
- > Dual H.264 and Motion JPEG streams
- > Local storage
- > High resolution quad-view
- > Power over Ethernet

AXIS M70 Video Encoder Series offer high performance, efficient and cost-effective integration of analog cameras into a powerful IP-based video surveillance system and are ideal for locations such as gas stations, convenience stores and small offices.

AXIS M70 Series comprises two models, ranging with four or 16 channels, providing dual streaming H.264 and Motion JPG. The support for H.264 offers a video compression format that drastically reduces bandwidth and storage requirements without compromising image quality.

AXIS M7010 and AXIS M7014 offers dual individually configurable video streams at 15 fps in all resolutions up to D1 (720x480 NTSC or 720x576 PAL).

AXIS M70 Series offers intelligent video capabilities such as video motion detection and active tampering alarm. These video encoders also include microSDHC memory card slot for local storage.

AXIS M70 Series includes support for Power over Ethernet (IEEE 802.3af), which enables the encoders to receive power through the network cable. All Axis video encoder products provide pan, tilt and zoom support, which enables control of analog PTZ cameras.

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Technical specifications – AXIS M70 Video Encoder Series

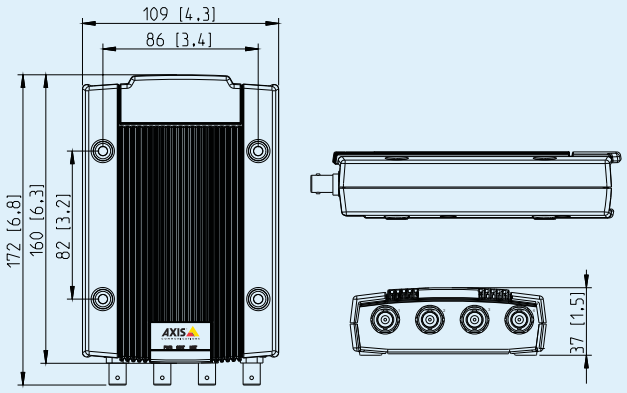
Video encoder	
Models	**AXIS M7010:** 16 channel video encoders **AXIS M7014**: 4 channel video encoders
Video compression	H.264 (MPEG-4 Part 10/AVC) Baseline and Main Profile Motion JPEG
Resolutions	176x120 to 720x576, 1408x1152 for Quad view
Frame rate H.264	15 fps in all resolutions
Frame rate Motion JPEG	15 fps in all resolutions
Video streaming	Dual streaming H.264 and Motion JPEG: One H.264 and one JPEG stream per channel Individually configured streams in max. resolution at 15 fps; more streams if identical or limited in frame rate/resolution Controllable frame rate and bandwidth VBR/CBR H.264
Image settings	Compression, color, brightness, contrast Rotation: 90°, 180°, 270° Aspect ratio correction, mirroring of images, text and image overlay, privacy mask, enhanced deinterlace filter, video termination, antialiasing, temporal noise filtering
Network	
Security	Password protection, IP address filtering, HTTPS* encryption, IEEE 802.1X* network access control, digest authentication, user access log
Supported protocols	IPv4/v6, HTTP, HTTPS*, IEEE 802.1X* QoS layer 3 DiffServ, FTP, SMTP, Bonjour, UPnP, SNMPv1/v2c/v3(MIB-II), DNS, DynDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, RTCP, ICMP, DHCP, ARP, SOCKS
System integration	
Application Programming Interface	Open API for software integration, including VAPIX® from Axis Communications, available at www.axis.com ONVIF, specification available at www.onvif.org AXIS Video Hosting System (AVHS) with One-Click Camera connection
Intelligent video	Video motion detection, active tampering alarm
Alarm events	File upload via FTP, HTTP and email, Notification via email, HTTP and TCP, PTZ preset
Pan/Tilt/Zoom	Wide range of analog PTZ cameras supported (drivers available for download at www.axis.com) 100 presets/camera, guard tour, PTZ control queue Supports Windows compatible joysticks

General	
Casing	Metal casing, standalone, rackmount or wallmount
Processor and memory	**AXIS M7014**: ARTPEC-4, 512 MB RAM, 128 MB Flash **AXIS M7010:** Same as above x 4
Power	**AXIS M7010/M7014:** 8-20 V DC, Power over Ethernet IEEE 802.3af Class 3 **AXIS M7010:** max 34W **AXIS M7014:** max 8.5W
Connectors	**AXIS M7014/M7010:** 1 x DC input terminal block **AXIS M7014:** 4 x analog composite video BNC inputs RJ-45 10BASE-T/100BASE-TX PoE Terminal block for RS-485/422 (full duplex) 2 x 3.5mm jacks for microphone or line input (mono) 3.5mm jack for audio output (mono) **AXIS M7010:** Same as above x 4
Local storage	**AXIS M7014**: 1 x microSDHC **AXIS M7010:** 4 x microSDHC
Operationg conditions	0 – 50 °C (32 – 122 °F) Humidity 20 – 80% RH (non-condensing)
Approvals	EN 55022 Class B, EN 61000-3-2, EN 61000-3-3, EN 55024, EN61000-6-1, EN61000-6-2, EN 60950-1, C-tick AS/NZS CISPR 22, FCC Part 15 Subpart B Class B, ICES-003 Class B, VCCI Class B
Dimensions (HxWxD)	**AXIS M7010:** 45x440x165 (1.7"x17.3"x6.5") **AXIS M7014**: 37x109x172 (1.5"x4.3"x6.7")
Weight	**AXIS M7010:** 2640g (5.82 lb.) **AXIS M7014**: 576g (1.27 lb.)
Included accessories	Power supply, mounting and connector kits, Installation Guide, CD with installation and management tools, software and User's Manual, Windows decoder user licenses

** This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. (www.openssl.org)*

More information is available at www.axis.com

Dimensions



Optional accessories

AXIS T8310 Video Surveillance Control Board

For information on AXIS Camera Station and video management software from Axis' Application Development Partners, see www.axis.com/products/video/software/

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